Warranty

The manufacturer warrants this Breathalyser to be free from defects in workmanship or material (excluding calibration) under normal use for one year from the date of purchase. Manufacturer's obligations under this limited warranty are limited to replacing, adjusting, or repairing the unit if returned along with the proof of purchase. This warranty is void if the unit has been tampered with, maliciously damaged, or physically abused. The enforceability of this warranty is limited to the original consumer purchaser and is not transferable to, or enforceable by, any subsequent owner. In the event of a defect, malfunction or other failure to conform to this warranty, UKBreathalysers, will, at its sole discretion, repair or replace the unit. You are responsible for all shipping cost in connection with warranty service. This warranty commences on the date of purchase and shall be effective for a period of one year and does not affect your statutory rights.

Should you need to return your unit or obtain service during the warranty period, please call **0870 321 4661** or email to: ***sevice@UKBreathalysers.com*** to obtain a RMA number and shipping instructions. Remember to return your detector postage paid, insured and in suitable packaging. DO NOT return your unit without contacting us first!

Disclaimer

UKBreathalysers makes no warranties, expressed or implied, as to the ability of this device to determine whether a person is intoxicated, and expressly disclaim any liability for incidental, special, or consequential damages of any nature.

The user undertakes not to make any decisions and/or carry out any actions based upon the reading of this device.

UKBreathalysers assume no responsibility for consequences of subjects who test negative when using this device and later show that they are under the influence of alcohol or their judgment has been impaired by alcohol.

This device should only be used as a screening device and may only give an indication of the possible presence of alcohol in the blood of the test subject. Correlation between breath alcohol content and blood alcohol concentration depends on many variables, including temperature and health conditions. A safe or low reading on a breath alcohol screener does not mean that the driver's reaction times can respond to any emergency encountered. The exact concentration of alcohol in the blood of the test subject cannot be exactly determined by using a breath alcohol screening device. **THIS BREATHALYSER IS A SCREENING DEVICE ONLY, NOT ADMISSIBLE IN THE COURT OF LAW.**

DO NOT DRINK ALCOHOL AND DRIVE!
ALWAYS USE A DESIGNATED DRIVER AFTER DRINKING ALCOHOL.
BE SAFE AND DRINK RESPONSIBLY.

Customer Care

If you have questions about UKBreathalysers products or services, please contact us via phone, e-mail or mail. Our customer service agents will gladly assist you in any way they can. Please contact us via email at the following address: mail@UKBreathalysers.com

UKBreathalysers Limited
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Broadbridge Heath
West Sussex
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United Kingdom

AlcoScan 6000 Pro User Manual

Overview

The **AL6000 Pro** is a breath alcohol screening device designed to test for the presence of alcohol in the blood. This device is intended to be used in all populations with lung capacity capable of producing at least 1.5 litres of exhaled air. The **AL6000 Pro** is powered by 2 x "AA" Batteries that generally last between 200-300 tests.

Preparing For Use

Batteries: To install the batteries, remove the battery cover on the base of the detector and insert as shown on the cover. Close the cover and ensure the clip is fully in place.
Handstrap: Thread the supplied handstrap through the locator on the base of the unit and loop back on itself so as to fix in place.
Mouthpieces: The **AL6000 Pro** is a Dual-Mode tester that allows use with or without a mouthpiece, however without a mouthpiece the display will only register a range of values due to the lower accuracy of the sample taken. The tester comes with 5 replaceable plastic mouthpieces; additional ones are available to order via our website and you may wish to replace the mouthpiece for use by another person for sanitary reasons. To change the mouthpieces, simply insert the thin, narrow end of the mouthpiece into the rubber socket on the top of the detector.

Important Warning

If you do not wait 20 minutes before testing, the reading will measure the alcohol in your mouth, which is many times that related to your blood alcohol level. The detector contains a highly sensitive semi-conductor sensor, and not waiting the required time could damage (saturate) this sensor and can cause all future readings to be inaccurate. Please also ensure you do not blow any smoke or liquid into the unit, or the same damage can result and de-calibrate the detector.

Do NOT use the AL6000 as a tool to attempt to drink and drive. The only safe limit is zero, and the only certain method of determining the level of alcohol in the blood is a blood test or use of an evidential certified device. The AL6000 Pro is a *not* an evidential device and is for personal guidance only; tests are unsupervised and the user takes *full personal responsibility* for any actions or decisions they may take *irrespective* of the reading achieved.

Always leave at least 20 minutes between drinking and testing

The AL6000 Pro uses an advanced MEMS sensor, heated to 400º C which responds to the presence of Alcohol by a change in resistance. Prior to each test, the sensor is purged free of contamination from previous tests; to commence testing press the ON/OFF power switch. The detector will give one high beep and the display will show "ON" and an indicator will circle the right of the display to indicate purging is taking place.

Test Counter

The AL6000 Pro incorporates a test counter to aid the user in determining when it is due for recalibration. We would recommend recalibration after around 300 tests or one year, whichever the earlier. *Please note that on first use the counter is may not read zero due to quality control tests on sample units prior to dispatch.*

Normal Mode

To operate the detector in normal mode (ie. using a mouthpiece), insert a mouthpiece into the detector and press and hold the start button. The display will cycle through the number of tests completed so far, followed by "nor" and "FSr" repeatedly. Release the button while the display registers either the test counter or "nor" and the purge cycle will begin, displaying a countdown on the display. When the counter reaches zero the unit will bleep twice; blow into the mouthpiece with a similar manner to blowing up a balloon. If a sample is registered, the unit will sound continuously; continue to blow until you here a single bleep and the detector is silent. The display will show a series of "zeros" moving left to right while it analyses the sample, after which the digital reading is displayed. *To retest, wait for the display to go blank and press start button again.*

◊ **The UK Drink-Drive limit is 80 promile – displayed as 080 on the AL6000 Pro**

Fast Screen Mode

Start the detector in the same manner as above, but this time release the start button while "FSr" is displayed. Again the detector will countdown as above, but this time blow towards the test hole from a distance of approximately 5cm. Once the test is complete, the display will show a range, rather than a specific reading, as follows:

* "**0**" - No alcohol detected
* "**Lo**" - significant levels detected
* "**Hi**" - Warning (lights also flash on the front of the detector)

Error Codes

- **Out** Out of time - No sample detected. Please re-test
- **Flo** FloCheck - sample provided was insufficient. Please re-test.
- **Bat** Battery - low battery. Replace battery before testing.
- **Cal** Baseline Signal too High. Return for servicing (sensor may have failed)

Precautions

1. Avoid testing in strong winds, in a closed room with a heavy smoke, or where a lot of alcohol is being consumed. Do not blow cigarette smoke, food or liquid into the instrument The AL6000 Pro is designed for use in a temperature range of 10 – 40 (C) or 50-104 (F). Operation of the unit in extreme temperature ranges above or below this range may affect the accuracy of results.

2. Avoid testing in the presence of any substances that contain methyl alcohol, isopropyl alcohol or acetone. These substances may interfere with the results of the test. Conditions that increase the amount of ketenes on the breath, such as diabetes and low caloric intake, may cause a false positive test.

3. DO NOT DRINK AND DRIVE. Always have a designated driver if you are drinking Alcohol.

AlcoScan 6000 Pro User Manual

How does it work?

When you drink alcohol it passes through the lining of the stomach into the blood supply. As the blood moves around your body it is filtered by the liver (which extracts the alcohol over a period of time) but also passes through the lungs. At the same time as the oxygen in your breath passes through the alveoli into your blood, a certain amount of the alcohol that is carried by the blood passes back the other way. It is therefore important to measure deep lung air as this is where the blood has been in contact with the air in the lungs. A breath from any other part of the lungs will have a lower alcohol concentration and can give a lower reading than should be the case.

To achieve a consistent reading, a consistent sample of deep lung air is therefore required. Law-Enforcement devices measure an absolute quantity of air (usually 1.7ltr) each time they are used. This however makes such devices significantly more expensive to manufacture than personal detectors that use a "timed blow" but the AL6000 Pro uses a combination of variable timing and pressure sensors to achieve a far higher level of accuracy than other personal detectors by ensuring that as far as possible the same blow pressure is used each time a sample is taken.

How to get the most from your Breathalyser

When first using the device, 20 minutes after your last drink try testing yourself three times, approximately two minutes apart, in order to "bracket" the readings. An average reading can then be assessed, as can the consistency of the blow level required. Note the reading, and then test again 30 minutes later and so on until the unit reads zero.

Try the unit on others; you are likely to find considerable variance in the way in which individuals metabolise alcohol, depending upon body mass, when they last ate, time of day etc. After a while you will start to develop a reasonable idea of the way in which you personally react to Alcohol and you can then modify your drinking appropriately to ensure that you always leave a more than adequate period after drinking and before driving.

UKBreathalysers would always recommend you do not drive with ANY alcohol in your system, and that you leave a substantial safety margin between the time you believe you have reached a zero-level and the point where you may consider driving. **Never rely solely upon the readings of this detector in determining your fitness to drive!**

Disposable Mouthpieces

Your detector is equipped with removable / disposable mouthpiece. For all sanitary considerations replace and dispose the mouthpiece when testing others. To reorder please visit our online store or call our order desk.

Calibration Procedure

If your device is providing inconsistent, unusually high or low readings, or no readings at all, your device may need to be re-calibrated. In addition, the breathalyser should be re-calibrated at least once every 6-12 months. More frequent calibrations may be required depending on frequency of use.

For detailed information on how to have the device re-calibrated, please see our Website.

Cleaning

Although it may seem logical to clean the alcohol detector with alcohol or other cleaning agents, in reality, this is very harmful to the semiconductor sensor in detector. All semiconductor sensors are intolerant to high doses (saturation) of alcohol, and other cleaning or anti bacterial agents. Simply wipe the unit over with a damp (not wet) cloth and dry thoroughly.